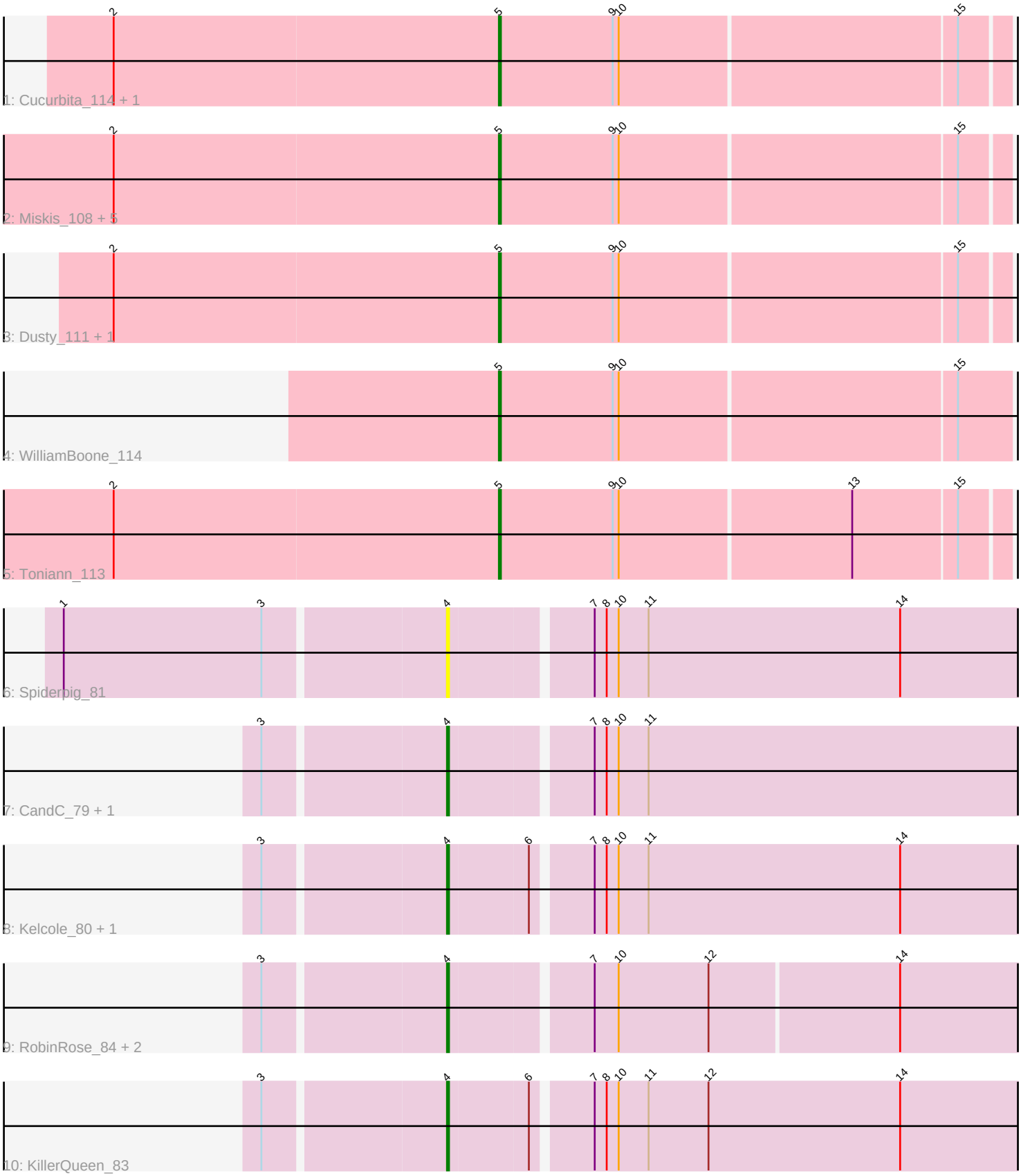
Pham 348041


2
5
9
10
15
1: Cucurbita_114 + 1
2
5
9
10
15
2: Miskis_108 + 5
2
5
9
10
15
3: Dusty_111 + 1
5
9
10
15
4: WilliamBoone_114
2
5
9
10
13
15
5: Toniann_113
1
3
4
7
8
10
11
14
6: Spiderpig_81
3
4
7
8
10
11
7: CandC_79 + 1
3
4
6
7
8
10
11
14
8: Kelcole_80 + 1
3
4
7
10
12
14
9: RobinRose_84 + 2
3
4
6
7
8
10
11
12
14
10: KillerQueen_83

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 348041 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348041 has 21 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Cucurbita_114, PhinkBoden_113
• Track 2 : Miskis_108, Engineer_114, ClubL_114, Lozinak_113, Smoothie_114, Bachita_115
• Track 3 : Dusty_111, Geeche_112
• Track 4 : WilliamBoone_114
• Track 5 : Toniann_113
• Track 6 : Spiderpig_81
• Track 7 : CandC_79, Fregley_82
• Track 8 : Kelcole_80, OneinaGillian_79
• Track 9 : RobinRose_84, Romm_84, Tempo_82
• Track 10 : KillerQueen_83

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 5, it was called in 11 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bachita_115, ClubL_114, Cucurbita_114, Dusty_111, Engineer_114, Geeche_112, Lozinak_113, Miskis_108, PhinkBoden_113, Smoothie_114, Toniann_113, WilliamBoone_114,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• CandC_79, Fregley_82, Kelcole_80, KillerQueen_83, OneinaGillian_79, RobinRose_84, Romm_84, Spiderpig_81, Tempo_82,

Summary by start number:

Start 4:
• Found in 9 of 21 (42.9%) of genes in pham
• Manual Annotations of this start: 7 of 18

• Called 100.0% of time when present
• Phage (with cluster) where this start called: CandC_79 (EG), Fregley_82 (EG), Kelcole_80 (EG), KillerQueen_83 (EG), OneinaGillian_79 (EG), RobinRose_84 (EG), Romm_84 (EG), Spiderpig_81 (EG), Tempo_82 (EG),

Start 5:
• Found in 12 of 21 (57.1%) of genes in pham
• Manual Annotations of this start: 11 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bachita_115 (CQ1), ClubL_114 (CQ1), Cucurbita_114 (CQ1), Dusty_111 (CQ1), Engineer_114 (CQ1), Geeche_112 (CQ1), Lozinak_113 (CQ1), Miskis_108 (CQ1), PhinkBoden_113 (CQ1), Smoothie_114 (CQ1), Toniann_113 (CQ1), WilliamBoone_114 (CQ1),

Summary by clusters:

There are 2 clusters represented in this pham: CQ1, EG,

Info for manual annotations of cluster CQ1:
•Start number 5 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster EG:
•Start number 4 was manually annotated 7 times for cluster EG.

Gene Information:

Gene: Bachita_115 Start: 66556, Stop: 66804, Start Num: 5
Candidate Starts for Bachita_115:
(2, 66364), (Start: 5 @66556 has 11 MA's), (9, 66613), (10, 66616), (15, 66781),

Gene: CandC_79 Start: 51412, Stop: 51134, Start Num: 4
Candidate Starts for CandC_79:
(3, 51499), (Start: 4 @51412 has 7 MA's), (7, 51346), (8, 51340), (10, 51334), (11, 51319),

Gene: ClubL_114 Start: 65486, Stop: 65734, Start Num: 5
Candidate Starts for ClubL_114:
(2, 65294), (Start: 5 @65486 has 11 MA's), (9, 65543), (10, 65546), (15, 65711),

Gene: Cucurbita_114 Start: 67051, Stop: 67299, Start Num: 5
Candidate Starts for Cucurbita_114:
(2, 66859), (Start: 5 @67051 has 11 MA's), (9, 67108), (10, 67111), (15, 67276),

Gene: Dusty_111 Start: 65392, Stop: 65640, Start Num: 5
Candidate Starts for Dusty_111:
(2, 65200), (Start: 5 @65392 has 11 MA's), (9, 65449), (10, 65452), (15, 65617),

Gene: Engineer_114 Start: 66529, Stop: 66777, Start Num: 5
Candidate Starts for Engineer_114:
(2, 66337), (Start: 5 @66529 has 11 MA's), (9, 66586), (10, 66589), (15, 66754),

Gene: Fregley_82 Start: 51761, Stop: 51483, Start Num: 4

Candidate Starts for Fregley_82:
(3, 51848), (Start: 4 @51761 has 7 MA's), (7, 51695), (8, 51689), (10, 51683), (11, 51668),

Gene: Geeche_112 Start: 65615, Stop: 65863, Start Num: 5
Candidate Starts for Geeche_112:
(2, 65423), (Start: 5 @65615 has 11 MA's), (9, 65672), (10, 65675), (15, 65840),

Gene: Kelcole_80 Start: 51984, Stop: 51706, Start Num: 4
Candidate Starts for Kelcole_80:
(3, 52071), (Start: 4 @51984 has 7 MA's), (6, 51945), (7, 51918), (8, 51912), (10, 51906), (11, 51891), (14, 51765),

Gene: KillerQueen_83 Start: 51900, Stop: 51622, Start Num: 4
Candidate Starts for KillerQueen_83:
(3, 51987), (Start: 4 @51900 has 7 MA's), (6, 51861), (7, 51834), (8, 51828), (10, 51822), (11, 51807), (12, 51777), (14, 51681),

Gene: Lozinak_113 Start: 66367, Stop: 66615, Start Num: 5
Candidate Starts for Lozinak_113:
(2, 66175), (Start: 5 @66367 has 11 MA's), (9, 66424), (10, 66427), (15, 66592),

Gene: Miskis_108 Start: 65318, Stop: 65566, Start Num: 5
Candidate Starts for Miskis_108:
(2, 65126), (Start: 5 @65318 has 11 MA's), (9, 65375), (10, 65378), (15, 65543),

Gene: OneinaGillian_79 Start: 51305, Stop: 51027, Start Num: 4
Candidate Starts for OneinaGillian_79:
(3, 51392), (Start: 4 @51305 has 7 MA's), (6, 51266), (7, 51239), (8, 51233), (10, 51227), (11, 51212), (14, 51086),

Gene: PhinkBoden_113 Start: 66656, Stop: 66904, Start Num: 5
Candidate Starts for PhinkBoden_113:
(2, 66464), (Start: 5 @66656 has 11 MA's), (9, 66713), (10, 66716), (15, 66881),

Gene: RobinRose_84 Start: 52413, Stop: 52138, Start Num: 4
Candidate Starts for RobinRose_84:
(3, 52500), (Start: 4 @52413 has 7 MA's), (7, 52347), (10, 52335), (12, 52290), (14, 52197),

Gene: Romm_84 Start: 52410, Stop: 52135, Start Num: 4
Candidate Starts for Romm_84:
(3, 52497), (Start: 4 @52410 has 7 MA's), (7, 52344), (10, 52332), (12, 52287), (14, 52194),

Gene: Smoothie_114 Start: 66367, Stop: 66615, Start Num: 5
Candidate Starts for Smoothie_114:
(2, 66175), (Start: 5 @66367 has 11 MA's), (9, 66424), (10, 66427), (15, 66592),

Gene: Spiderpig_81 Start: 51967, Stop: 51689, Start Num: 4
Candidate Starts for Spiderpig_81:
(1, 52153), (3, 52054), (Start: 4 @51967 has 7 MA's), (7, 51901), (8, 51895), (10, 51889), (11, 51874), (14, 51748),

Gene: Tempo_82 Start: 52105, Stop: 51830, Start Num: 4
Candidate Starts for Tempo_82:

(3, 52192), (Start: 4 @52105 has 7 MA's), (7, 52039), (10, 52027), (12, 51982), (14, 51889),

Gene: Toniann_113 Start: 65757, Stop: 66005, Start Num: 5
Candidate Starts for Toniann_113:
(2, 65565), (Start: 5 @65757 has 11 MA's), (9, 65814), (10, 65817), (13, 65931), (15, 65982),

Gene: WilliamBoone_114 Start: 64767, Stop: 65018, Start Num: 5
Candidate Starts for WilliamBoone_114:
(Start: 5 @64767 has 11 MA's), (9, 64824), (10, 64827), (15, 64992),